

Ground modular terminal block - ST 35-PE - 3036194

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Ground modular terminal block, connection method: Spring-cage connection, number of connections: 2, cross section: 2.5 mm² - 35 mm², AWG: 14 - 2, width: 16 mm, color: green-yellow, mounting type: NS 35/7,5, NS 35/15



Key Commercial Data

| | |
|--------------|---------------|
| Packing unit | 10 pc |
| GTIN | |
| GTIN | 4017918876760 |

Technical data

General

| | |
|--|---|
| Number of levels | 1 |
| Number of connections | 2 |
| Nominal cross section | 35 mm ² |
| Color | green-yellow |
| Insulating material | PA |
| Flammability rating according to UL 94 | V0 |
| Rated surge voltage | 8 kV |
| Degree of pollution | 3 |
| Overvoltage category | III |
| Insulating material group | I |
| Designation | Level 1 above 1 below 1 |
| Open side panel | No |
| Shock protection test specification | DIN EN 50274 (VDE 0660-514):2002-11 |
| Back of the hand protection | guaranteed |
| Oscillation, broadband noise test result | Test passed |
| Test specification, oscillation, broadband noise | DIN EN 50155 (VDE 0115-200):2008-03 |
| Test spectrum | Service life test category 2, bogie-mounted |

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Technical data

General

| | |
|---|--|
| Test frequency | $f_1 = 5 \text{ Hz}$ to $f_2 = 250 \text{ Hz}$ |
| ASD level | $6.12 \text{ (m/s}^2\text{)}^2\text{/Hz}$ |
| Acceleration | 3.12 g |
| Test duration per axis | 5 h |
| Test directions | X-, Y- and Z-axis |
| Shock test result | Test passed |
| Test specification, shock test | DIN EN 50155 (VDE 0115-200):2008-03 |
| Shock form | Half-sine |
| Acceleration | 30g |
| Shock duration | 18 ms |
| Number of shocks per direction | 3 |
| Test directions | X-, Y- and Z-axis (pos. and neg.) |
| Relative insulation material temperature index (Elec., UL 746 B) | 130 °C |
| Temperature index of insulation material (DIN EN 60216-1 (VDE 0304-21)) | 125 °C |
| Static insulating material application in cold | -60 °C |
| Behavior in fire for rail vehicles (DIN 5510-2) | Test passed |
| Flame test method (DIN EN 60695-11-10) | V0 |
| Oxygen index (DIN EN ISO 4589-2) | >32 % |
| NF F16-101, NF F10-102 Class I | 2 |
| NF F16-101, NF F10-102 Class F | 2 |
| Surface flammability NFPA 130 (ASTM E 162) | passed |
| Specific optical density of smoke NFPA 130 (ASTM E 662) | passed |
| Smoke gas toxicity NFPA 130 (SMP 800C) | passed |
| Calorimetric heat release NFPA 130 (ASTM E 1354) | 27,5 MJ/kg |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R26 | HL 1 - HL 3 |

Dimensions

| | |
|------------------|---------|
| Width | 16 mm |
| Length | 100 mm |
| Height NS 35/7,5 | 59 mm |
| Height NS 35/15 | 66.5 mm |

Connection data

| | |
|----------------------------------|--|
| Note | Please observe the current carrying capacity of the DIN rails. |
| Connection | 1 level |
| Connection method | Spring-cage connection |
| Stripping length | 25 mm |
| Connection in acc. with standard | IEC 60947-7-2 |

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Technical data

Connection data

| | |
|---|---------------------|
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section AWG min. | 14 |
| Conductor cross section AWG max. | 2 |
| Conductor cross section flexible min. | 2.5 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Min. AWG conductor cross section, flexible | 14 |
| Max. AWG conductor cross section, flexible | 2 |
| Conductor cross section flexible, with ferrule without plastic sleeve min. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule without plastic sleeve max. | 35 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve min. | 2.5 mm ² |
| Conductor cross section flexible, with ferrule with plastic sleeve max. | 35 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, min. | 2.5 mm ² |
| 2 conductors with same cross section, stranded, TWIN ferrules with plastic sleeve, max. | 10 mm ² |
| Connection in acc. with standard | IEC/EN 60079-7 |
| Conductor cross section solid min. | 2.5 mm ² |
| Conductor cross section solid max. | 35 mm ² |
| Conductor cross section AWG min. | 14 |
| Conductor cross section AWG max. | 2 |
| Conductor cross section flexible min. | 2.5 mm ² |
| Conductor cross section flexible max. | 35 mm ² |
| Internal cylindrical gage | A8 |

Standards and Regulations

| | |
|--|---------------|
| Connection in acc. with standard | CSA |
| | IEC 60947-7-2 |
| Flammability rating according to UL 94 | V0 |
| Fire protection for rail vehicles (DIN EN 45545-2) R22 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R23 | HL 1 - HL 3 |
| Fire protection for rail vehicles (DIN EN 45545-2) R24 | HL 1 - HL 3 |
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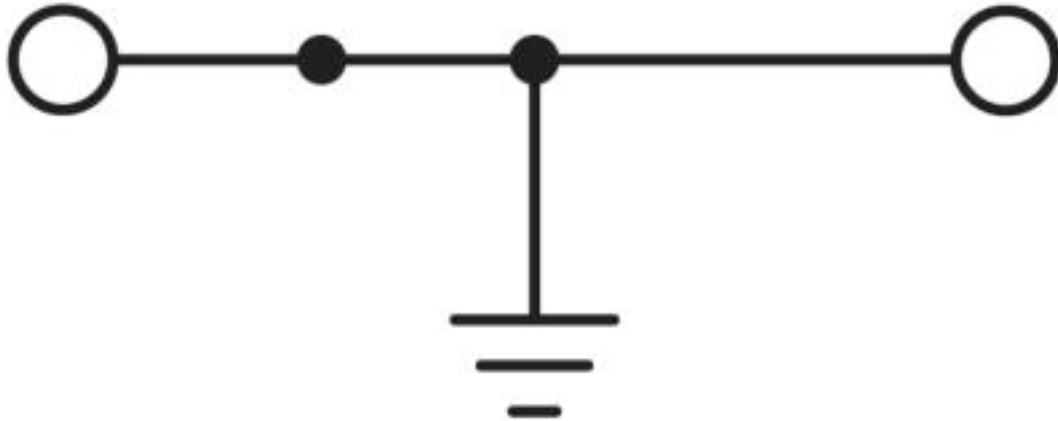
Environmental Product Compliance

| | |
|------------|---|
| China RoHS | Environmentally friendly use period: unlimited = EFUP-e |
| | No hazardous substances above threshold values |

Drawings

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Circuit diagram



Approvals

Approvals

Approvals

DNV GL / CSA / BV / LR / KR / NK / UL Recognized / cUL Recognized / IECEx CB Scheme / VDE Gutachten mit Fertigungsüberwachung / EAC / RS / cULus Recognized

Ex Approvals

IECEEx / ATEX / EAC Ex

Approval details

| | | | |
|----------------------------|--|---|-------------|
| DNV GL | | https://approvalfinder.dnvgl.com/ | TAE00001CS |
| CSA | | http://www.csagroup.org/services-industries/product-listing/ | 13631 |
| | | B | C |
| mm ² /AWG/kcmil | | 14-2 | 14-2 |
| BV | | http://www.veristar.com/portal/veristarinfo/generalinfo/approved/approvedProducts/equipmentAndMaterials | 13403/D0 BV |


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Approvals


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|----|---|---|----------|
| LR |  | http://www.lr.org/en | 04/20034 |
|----|---|---|----------|


| | | | |
|----|---|---|----------------|
| KR |  | http://www.krs.co.kr/eng/main/main.aspx | HMB17372-EL002 |
|----|---|---|----------------|


| | | | |
|----|---|---|-----------|
| NK |  | http://www.classnk.or.jp/hp/en/ | 09 ME 140 |
|----|---|---|-----------|

| | | | |
|----------------------------|---|---|--------------|
| UL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| mm ² /AWG/kcmil | 14-2 | 14-2 | |

| | | | |
|----------------------------|---|---|--------------|
| cUL Recognized |  | http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm | FILE E 60425 |
| | B | C | |
| mm ² /AWG/kcmil | 14-2 | 14-2 | |

| | | | |
|----------------------------|---|---|-----------|
| IECEE CB Scheme |  | http://www.iecee.org/ | DE1-51450 |
| | | | |
| mm ² /AWG/kcmil | 2.5-35 | | |

| | | | |
|---|---|---|----------|
| VDE Gutachten mit Fertigungsüberwachung |  | http://www2.vde.com/de/Institut/Online-Service/VDE-gepruefteProdukte/Seiten/Online-Suche.aspx | 40010315 |
| | | | |
| mm ² /AWG/kcmil | 2.5-35 | | |

| | | | |
|-----|---|--|----------------------|
| EAC |  | | RU C-DE.A*30.B.01742 |
|-----|---|--|----------------------|

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Approvals

| | | | |
|----|---|---|--------------|
| RS |  | http://www.rs-head.spb.ru/en/index.php | 17.00013.272 |
|----|---|---|--------------|

| | |
|------------------|---|
| cULus Recognized |  |
|------------------|---|

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